

Notice of Allowability

Application No.

10/622,573

Examiner

Jiping Lu

Applicant(s)

LESAGE, CLAUDE

Art Unit

3749

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 4/29/2004.
2. ☒ The allowed claim(s) is/are 1-3 and 5-17.
3. ☒ The drawings filed on 21 July 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Jiping Lu
Primary Examiner
Art Unit: 3749

Commissioner for Patents

5. (amended) An explosion-proof hot water heater as claimed in claim ~~4~~ 1 wherein said support base is provided with venting apertures thereabout to cool said sealed bottom wall.
6. (amended) An explosion-proof hot water heater as claimed in claim ~~4~~ 1 wherein the distance between said gas sensing element and said air intake openings provides an approximate time delay of two minutes for said explosive vapour to rise to said intake openings.
7. (original) An explosion-proof hot water heater as claimed in claim 2 wherein said air passage means comprises a circumferential air deflecting wall spaced inwardly of said outer skin casing adjacent said air intake openings for directing air aspired by said burner downwardly towards said sealed bottom wall and then through passage means disposed spaced adjacent said combustion air intake ports.
8. (original) An explosion-proof hot water heater as claimed in claim 7 wherein said air deflecting wall has a curved top portion defining an outer circumferential outer edge dimensioned to abut against an inner surface of a bottom portion of said outer skin casing.
9. (original) An explosion-proof hot water heater as claimed in claim 8 wherein said air deflecting wall has a straight bottom portion defining a lower circumferential edge adapted to rest on said sealed bottom wall, and openings disposed about said straight bottom portion adjacent said lower circumferential edge and consisting said passage means.
10. (original) An explosion-proof hot water heater as claimed in claim 9 wherein a circumferential spacing means is secured to said straight bottom portion and disposed above said openings and extends between said straight bottom portion and said circumferential side wall of said combustion chamber, and a fireproof thermal insulation jacket, said air deflecting wall and said side wall of said combustion chamber, said insulation jacket having air passages aligned with said openings of said straight bottom portion of said air deflecting wall.
11. (original) An explosion-proof hot water heater as claimed in claim 1 wherein said circumferential side wall of said combustion chamber is constituted by a steel cylinder